Scott. II-29—35,000—2-11-26.

Law (44) (1927) Department.

Mis SERIES.

G.O. No. 1902

DATED 15-6-1927

[Despatch Abstract.]

Petroleum -

Special licenses and a B Form license - Storage - Mangalore - The Tank Storage Company (India) Ltd., Madras - Granted.

G. T. 80

LAW (GENERAL) **DEPARTMENT.**

Law (G) 3304e

Received ..... 192 . *Registered* 192

Subject.

Petroleum Act - licence in Form B and Special licence under Rule 6, chapter IV, Part II - Tank Storage Company (India) Limited, Madras - recommended.

ENCLOSURES.
No. .....
.....
Spare copies .....

Ref.C. No. 3715-27.

Station Mangalore *Dated the* 12th May 192 7

From (Name) E. M. Gawne, Esquire, I.C.S.,

(Designation) Dt. Magistrate of South Kanara.

To The Secretary to the Government of Madras

Law (General) Department.

Madras.

Sir,

The Tank Storage Company (India) Limited, Madras has applied for two licences under the Petroleum Rules - one for storing 20,000 gallons in bulk in two tanks burried underground in their depot at Mangalore and another in Form B for storing 5000 gallons in non bulk in the packed storage shed in Mangalore for the year 1927. The Chief Inspector of Explosives in India has in his letter No.P.2(21) dated 30th July 1926 informed the company that a special licence under rule 6, Chapter IV, Part II of the Petroleum Rules will have to be taken for the storage of dangerous petroleum in ~~bluk~~ bulk in underground tanks and in Form B for the storage in the shed.

2. The company has completed the work of construction

and remitted Rs.125/- being the fee for the licences and certificate as detailed below. This amount has been credited to the Treasury under challan No.67, dated 4th May 1927.

(1) Fee for special licence for storing 20,000 gallons in bulk in two tanks	Rs. 80- 0- 0
(2) Fee for licence in Form B for storing 5000 gallons in receptacles in the storage shed.	Rs. 20- 0- 0
(3) Fee for the inspection for the grant of safety certificate.	Rs. 25- 0- 0
	Rs.125- 0- 0

3. As the company wants the licences urgently and as an immediate inspection by the Executive Engineer was not possible, I have obtained certificate from Mr. Hurtis, Sub Divisional Magistrate, Mangalore so far as the non-engineering part of the installation is concerned and from Mr. Wootherspoon the Company's European Engineer regarding the engineering part of the installation. I enclose copies of these certificates and request that Government may be pleased to issue the requisite licences.

b354-cf

4. A copy of the site plan is enclosed.

Your obedient servant,

Dt. Magistrate.

M.D'S.12/5.

To

D.M./U.O.

I inspected the installation this noon. The B.O.C. Engineer was present.

Condition 8 of Form B Licence:

The walls, roof, doors and windows of the storage shed are of corrugated iron sheets. No timber whatever has been used in constructing the shed. The floor is of cement. This condition has therefore been fulfilled.

Condition 9 of Form B Licence:

Cemented walls two feet high have been built all round the floor. The doorways and other openings are above these walls. Petroleum escaping from the cans in the shed cannot flow out of the shed. I consider ------- condition 9 has also been fulfilled.

Condition 10 of Form B Licence:

All ventilating openings in the storage shed have been protected by wire gauze.

Condition 15 of Form B Licence:

The quantity of petrol to be stored in this shed is 5000 gallons. The distance to be kept clear from protected works round the storage shed should, according to this condition, be 30 feet. I measured the distances between the storage shed and the other sheds near it and found the latter to be 30 feet and more from the former.

(Sd) L. E. Hurtis,
10-5-1927,
Sub Divisional
Magistrate.

10/5/27

4

Ref.No.437. Mangalore,11th May 1927.

From

A. Wootherspoon,

Engineer, The Tank Storage Co., Ltd.,

Mangalore.

To

E. M. Gawne, Esqr., I.C.S.,

District Magistrate of South Kanara.

Sir,

Certificate of safety: Mangalore Petrol Depot.

With reference to your letter No.C.3715-27, dated 10th instant, asking me to furnish my certificate, regarding the engineering part of the Installation, I beg to state as follow:-

(1) The two tanks at the above named depot, are completely burried under-ground and hermetically sealed; each tank is fitted with a vent-pipe, projecting 12 feet in the air and fitted with two Tiros-valves to allow the free escape of gas.

(2) The pipe-line is completely burried underground, with a slight run, to enable all petrol to be drained from pipes, after discharge of tank-wagon.

(3) All valves are enclosed in masonry sumps and fitted with locked covers, to prevent any unauthorised person, tampering with them.

(4) All engineering parts are complete, to the requirements under the Petroleum Act.

I have &c.,

Sd) A. Wootherspoon,
Engineer, T.S.C. Limited.

1d 12/5/27

b

Law (Genl) Dept.

36/25

Cro. 3304 C

Endt. no. 3304 C/
3715/27

Petroleum Special Licence – Storage of 20,000 gallons in two underground tanks at Mangalore – Tank Storage Company (India) Ltd. Madras.

plcf References dated Collr's no. 3715-27 of 12.5.27.

The D. M. South Kanara is requested to ~~approve~~ specify the underground capacity of each of the two tanks plcf ~~buried underground~~, in the petrol depot of the Tank Storage Company at Mangalore, ~~for the Storage of dangerous petroleum in bulk.~~

M&Rm
25.5.27

Cl. 1

To

The D. M. South Kanara

Rattan 19 Dep

THE TANK STORAGE COMPANY (INDIA), LIMITED.

SHAW WALLACE & CO.
AGENTS.

TELEGRAMS:
"STORAGE."

CODES:
A. B. C. 5TH & 6TH EDITIONS
BENTLEY'S.

TELEPHONE 2995

P. O. BOX 14.

Ref. No. T/ 18-361

M 2815

Law (Gl) Dept. Madras

23rd May 1927.

The Secretary

to the Madras Government,

Law (General) Department,

Stone House Hall,

O O T A C A M U N D.

Sir,

Licenses to stock dangerous Petroleum in Bulk and Non-bulk at Mangalore Depot.

We have the honour to request you to be so good as to grant us the above licenses at a very early date, as this depot is ready in all respects to receive Petrol and we are most anxious to put it into commission with the least possible delay.

We understand that all documents in connection with these licenses have already been forwarded to you by the Collector, Mangalore.

We have the honour to be,

Sir,

Your obedient servants,

FOR THE TANK STORAGE CO. (INDIA) LTD.,

Per Pro. Shaw Wallace & Co.

A G E N T S.

EVG.

C.F. 30—10,000—7-8-26.

Law (General) **DEPARTMENT.**

Received 14 JUN 1927 192 . *Registered* a.w.(G) 3705 192 7.

Subject

Petroleum - Special licence - storage of 20000 gallons in two underground tanks at Mangalore - capacity of tanks - reported.

Ref:- Government Endorsement No.3304-C-1 dated 28-5-27.

****

ENCLOSURES.
No. .....
.....
Spare copies .....

Ref.No. 3715-C-27.

Station Mangalore, *Dated the* 7th June, 192 7.

From (Name) E. M. Gawne, Esquire, I.C.S.,

(Designation) Dt. Magistrate of South Kanara.

To The Secretary to the Government of Madras,

Law (General) Department.

Sir, Madras.

The capacity of each of the two tanks in question is 10,000 gallons.

The licence is very urgently required

Your obedient servant,

E. M. Gawne

Dt. Magistrate.

14/716

Law (General) Department.

C.No. 3304 C. From the D.M.S.Kanara, Ref.C.3715 -27, dated 12th May 1927.

PETROLEUM - special license for storing 20,000 - gallons in bulk and B Form license for 5,000 gallons in non-bulk - storage - Mangalore.

U.S.

The Tank Storage Company, Madras, has applied to the D.M.South Kanara for two licenses under the Petroleum Rules: --

(i) for the storage of 20,000 gallons of dangerous petroleum in bulk in two underground tanks in the depot at Mangalore,

and (ii) for storing 5,000 gallons in non-bulk in the storage shed at Mangalore.

Submitted that with regard to (ii) above, there is no objection to the grant of a license in Form B of the Petroleum Rules as recommended by the D.M.- for a precedent please see G.O.No. 1348 L.G.dd.28-4-27.

(D)

2. As regards (i) above, attention is invited to rule 6, of Chapter IV of Part II of the Petroleum Rules, which reads thus : --

"6.Special licenses for the possession of ~~any~~ "dangerous petroleum in receptables containing more "than 65 gallons may be granted on such terms as the "Govr.in Council may prescribe on the recommendation "of the Chief Inspector of Explosives".

p.15. of

(U)

(For a form of license ~~see~~ vide page 3 of G.O.No. 3845 L.G.dd.14-12-26.) It ~~will thus be seen~~ is observed from the entries of the licenses. that special license ~~can be~~ granted only for the possession of dangerous petroleum in one receptacle containing more than 65 gallons. But, in the present case, the license is intended for storing 20,000 gallons in bulk in two under-ground tanks. Reference is solicited in this connection to G.O.No. 3845 dd. 14-12-26 in which the Government granted the special license for the storage of 10,000 gallons of dangerous petroleum in one

tank on payment, of a fee of Rs. 40. In the present case the D.M. has collected a fee of Rs. 80 for the storage in two tanks. ~~It is therefore presumed that two licenses under rule 6 of chapter IV of Part II of the Petroleum rules have to be issued~~ in the present case. It is not clear from the description of the underground tanks at page 4 c.f. whether the two tanks are of the same capacity or whether one is likely to contain a greater quantity of petroleum than the other.

3. Under the foregoing circumstances, it is submitted for orders whether a single special ~~two~~ license may be issued for the storage of 20,000 gallons ~~tanks~~ of dangerous petroleum in two underground tanks ~~and whether~~ or whether two licences for the two tanks may be issued. The D.M. may be asked to specify the capacity of the tanks. ~~in the first instance, be requested to report whether the two tanks will contain an equal quantity of 10,000 gallons of dangerous petroleum each, so that the quantity to be stored in each tank may be specifically mentioned in each licence.~~

MSm 17-5-27 PSR 26/5

We should obtain the information from the D.M.

26 21-5-27

26/5

26.S.

Draft memo. submitted.

MSm 26-5-27 PSR 26/5

cro. 3490C. From the Tank Storage Company (India) Ltd. Madras D/23.5.27

26.S.

Reference is solicited to paragraph 1 at page, ante and the memo. at page 1 c.f. Submitted that the

Dun's reply may be awaited.

31.5.27.

31/5

Encl. 3710 C From the Dun. South Kanara No. 3715-C-27

dy 7.6.27.

W.S.

Please see the Dun's letter at page 8 ref. A draft order, granting two special licenses for the storage of 20,000 gallons in two underground tanks of 10,000 gallons each and a B form license for 2000 gallons, is submitted.

10.6.27.

4 JUN 1927

15 JUN 1927

Scott. II-6 (a)—40,006—9-11-26 (6)

Law (Genl) DEPARTMENT.

	Date	Initials.
When received for Fair-copying.	16/6/27	
When copied ..		
When examined ..	22/6/27	
When signed ..		
When despatched ..		

Petroleum

Special licences and a B form licens
— Storage — Bangalore — Dre Tank
Storage Company (India) Ltd Madras —
Grant

READ AGAIN G.O. No. ....., dated ..... 192 .

" " " " ..... 192 .

READ ALSO :—

G. No. 3314-C From the Govt. South Canara, No. 3215-1 dated 12-5- 192 7).

" " South " " Govt. South Canara " 3314-C-1 " 28-5- 192 7.

" " 3314-C " " " 3314-C-2 " 2-6- 192 7).

ORDER.

No. 1902, dated 15/6/192 7.

Two special licences under rule 6 chapter IV Part II of the Petroleum Rules for the Storage in bulk of 12,000 (Twelve thousand) gallons each in two underground tanks and a licence in "B" under rule 4 Chapter II Part II of the above rules for storage to the extent of 1000 gallons of kerosene petroleum in tins each in the petrol depot at Bangalore are granted to the Tank Storage Company (India) Ltd. Madras.

2. The licence will be forwarded

to the factory.

6.27

To

The D. M. South Kanara

The Tank Mining Company (India)

P. O. Box 14

Mysore. (with the Secretary)

The Chief Inspector of Explosives

(with the Secretary)

Special License to possess dangerous petroleum in one Receptacle Containing more than sixty-five gallons.

(Rule 6 Chapter IV of Part ii of the Petroleum rules).

No.

Fee Rs. As.

License is hereby granted to

storage in the licensed premises described below of 500 gallons of dangerous petroleum in one tank subject to the rules for the storage of petroleum published in Notification No. 441, dated 24th July 1909 and to the further conditions on the back of the license.

The 192[illegible].

Secretary to the Government of Madras.

(Description of the Licensed premises above referred to).

Depot

(P.T.O.)

Conditions of License.

1. The Petroleum shall be stored in one gas tight metal tank of a capacity of 500 gallons sunk completely under ground in the position shown on plan submitted, and placed in a pit lined with concrete or brick in cement, the tank being packed round with sand earth or clay so that no air space is left below ground level and the tank is not visible.

2. A pump or pumps shall be placed in the position shown on plan submitted. The pipe connection between the tank and the pump or pumps shall be placed underground and all joints valves and cocks shall be gas tight.

3. For the purpose of charging the tanks of locomotives the petroleum shall be:--

(a) pumped through strong metal piping by means of approved pumps into above-ground measuring tanks of a capacity not exceeding 30 gallons, fixed in approved positions, and run thence through sound hose, fitted with secure self closing cock and nozzle, into the -- tanks of locomotives, or

(b) pumped through strong metal piping by means of approved pumps into an above-ground service tank of approved capacity fixed in an approved position, and run thence through strong metal piping into measuring tanks of a capacity not exceeding 30 gallons fixed in approved positions and thence through sound hose, fitted with -- secure self closing cock and nozzle into the tanks of locomotives, or

(c) pumped by means of approved measuring pumps, fixed in -- approved positions, through sound hose fitted with secure tap and nozzle, into the tanks of locomotives.

4. All tanks, pumps, pipes and fittings shall be strongly constructed of best materials.

5. All service or measuring tanks shall be fitted with overflow and emptying pipes returning to the storage tank.

6. The petroleum shall enter the tank 'under seal' and all tanks shall be fitted with a vent pipe leading to the open air, the open end being covered with brass gauze 32 mesh and fitted with a

hood

hood or the open end shall be fitted with an inlet valve and an exhaust valve.

7. If the licensing officer call upon the holder of a license by a notice in writing, to execute any repairs to the storage premises, which may, in the opinion of such officer be necessary for the safety of the said premises, the holder of the license shall execute the repairs within such period, not being less than one month from the date of receipt of the notice as may be fixed by the notice.

8. The tank before being repaired, shall be cleared of all dangerous petroleum and of all dangerous ~~vapours~~ vapours arising from same.

"8(a). When a tank in position is open for cleaning or repair, no lamps of any description either ordinary, or electric, electric torches ~~or~~ electric cables or electric fans shall be brought near the manhole of the tank /The inside of the tank may be lighted by the use of mirrors/".

vessels containing or having actually contained the same.

11. Every person managing or employed on or in connection with the storage of premises shall abstain from any fact whatever which tends to cause fire or explosion and which is not reasonably necessary and shall prevent any other person from doing such act.

12. The storage premises shall be liable to inspection by an officer being of lower rank than a Sub-Inspector of Police authorised by the Local Government in this behalf.

11

Special License to possess dangerous petroleum in one Receptacle Containing more than sixty-five gallons.

(Rule 6 Chapter IV of Part 11 of the Petroleum rules).

No.

Fee Rs. 40/-

License is hereby granted to [illegible] storage in the licensed premises described below of [illegible] gallons of dangerous petroleum in one tank subject to the rules for the storage of petroleum published in Notification No. 441, dated 24th July 1909 and to the further conditions on the back of the license.

The [illegible] June 1927.

for Secretary to the Government of Madras.

(Description of the Licensed premises above referred to).

Depot

(P.T.O.)

Conditions of License.

1. The Petroleum shall be stored in one gas tight metal tank of a capacity of ~~600~~ 10,000 gallons sunk completely under ground in the position shown on plan submitted, and placed in a pit lined with concrete or brick in cement, the tank being packed round with sand earth or clay so that no air space is left below ground level and the tank is not visible.

2. A pump or pumps shall be placed in the position shown on plan submitted. The pipe connection between the tank and the pump or pumps shall be placed underground and all joints valves and cocks shall be gas tight.

3. For the purpose of charging the tanks of locomotives the petroleum shall be:--

(a) pumped through strong metal piping by means of approved pumps into above-ground measuring tanks of a capacity not exceeding 30 gallons, fixed in approved positions, and run thence through sound hose, fitted with secure self closing cock and nozzle, into the -- tanks of locomotives, or

(b) pumped through strong metal piping by means of approved pumps into an above-ground service tank of approved capacity fixed in an approved position, and run thence through strong metal piping into measuring tanks of a capacity not exceeding 30 gallons fixed in approved positions and thence through sound hose, fitted with -- secure self closing cock and nozzle into the tanks of locomotives, or

(c) pumped by means of approved measuring pumps, fixed in -- approved positions, through sound hose fitted with secure tap and nozzle, into the tanks of locomotives.

4. All tanks, pumps, pipes and fittings shall be strongly constructed of best materials.

5. All service or measuring tanks shall be fitted with overflow and emptying pipes returning to the storage tank.

6. The petroleum shall enter the tank 'under seal' and all tanks shall be fitted with a vent pipe leading to the open air, the open end being covered with brass gauze 32 mesh and fitted with a

hood

hood or the open end shall be fitted with an inlet valve and an exhaust valve.

7. If the licensing officer call upon the holder of a license by a notice in writing, to execute any repairs to the storage premises, which may, in the opinion of such officer be necessary for the safety of the said premises, the holder of the license shall execute the repairs within such period, not being less than one month from the date of receipt of the notice as may be fixed by the notice.

8. The tank before being repaired, shall be cleared of all dangerous petroleum and of all dangerous ~~vapours~~ vapours arising from the same.

***8(a). When a tank in position is open for cleaning or repair, no lamps of any description either ordinary, or electric, electric torches or electric cables or electric fans shall be brought near the manhole of the tank //the inside of the tank may be lighted by the use of mirrors//".**

vessels containing or having actually .....

11. Every person managing or employed on or in connection with the storage of premises shall abstain from any fact whatever which tends to cause fire or explosion and which is not reasonably necessary and shall prevent any other person from doing such act.

12. The storage premises shall be liable to inspection by an officer being of lower rank than a Sub-Inspector of Police authorised by the Local Government in this behalf.

---

13. Except as [illegible] licensing [illegible] for the purpose of [illegible] shall [illegible] be provided with any [illegible] other than those [illegible] by [illegible] in writing.

PSR/SPS

111

Mis. Form No. 84.
600 copies—24-4-1918.

Form B

(*Rule 3 of Chapter IV of Part II*)

License to possess dangerous Petroleum, otherwise than in bulk, in quantity exceeding forty gallons for the year ending 31st December 1927.

No. Fee Rs. 20/-

License is hereby granted to M/s Rama Storage Company (India) Ltd Madras for the storage in the storage, shed described below, of 5000 / five thousand) gallons of dangerous Petroleum, subject to the Rules for the Storage of Petroleum published in Notification No. 441, dated 24th July 1909, and to the further conditions on the back of this license. The License shall have Effect from the 1st January 1927 to the 31st Dec. 1927.

The June 1927 ~~President~~,
~~Corporation of Madras.~~
for Secretary to the Govt of Madras
Last dept.

(Description of the storage shed above referred to).

The Company's Godown No. 2 at Royapuram.

15-3-27.

Endorsement on Form B.

CONDITIONS OF LICENSE.

1. If the licensing officer call upon the holder of a license, by notice in writing, to execute any repairs of the storage shed, which may, in the opinion of such officer, be necessary for the safety of the shed, the holder of the license shall execute the repairs within such period, not being less than one month from the date of receipt of the notice, as may be fixed by the notice.

2. The license-holder is prohibited from delivering any quantity of dangerous petroleum exceeding three gallons to any one who has not a license under section 5 or section 6 of the Act, or any less quantity of such petroleum, except in accordance with the conditions of the proviso to section 6 of the Act, as to the vessels in which the petroleum must be contained.

3. The petroleum shall be stored in gas-tight tinned or galvanized sheet iron, steel, or lead plate receptacles containing each not more than sixty five gallons and fitted with well-made filling holes and well-fitting screw plugs, or fitted with screw cap or other cap with metal air-tight undercap. Such receptacles shall be packed in strong wooden cases, the thickness of the wood to be not less than three-eighths of an inch; provided that wood cases shall not be necessary when the receptacles are made of tinned or galvanized sheet iron or steel, and have the following thickness of metal :—

	Not less than
(1) When the capacity does not exceed two gallons	27 B.W.G.
(2) When the capacity exceeds two gallons but does not exceed four gallons	22 B.W.G.
(3) When the capacity exceeds four gallons but does not exceed eight gallons	20 B.W.G.
(4) When the capacity exceeds eight gallons but does not exceed twenty gallons	16 B.W.G.
(5) When the capacity exceeds twenty but does not exceed thirty gallons ...	14 B.W.G.
(6) When the capacity exceeds thirty but does not exceed forty gallons ...	12 B.W.G.
(7) When the capacity exceeds forty but does not exceed sixty five gallons	12 B.W.G.

4. An air-space of at least one-tenth of its capacity shall be left in each receptacle at the time of filling.

5. The receptacle shall be so substantially constructed and secured as not to be liable, except, under circumstances of grave negligence or extraordinary accident, to be broken or become defective, leaky or insecure.

6. The receptacles shall be labelled in accordance with the provisions of section 7 of the Act.

7. Any receptacle, before being repaired, shall be cleared of all dangerous petroleum and of all dangerous vapours arising from the same.

8. The storage shed shall be constructed of masonry or other uninflammable material with terraced, tiled or iron roofs and with tiled or paved or earthen floors.

9. Either the doorways and other openings of the storage shed shall be built up to a height of two feet above the level of the road or street, or the floor sunk to a depth of two feet below the level of the road or street, so that the petroleum cannot flow out from the building in case of its escape from the receptacle in which it is contained, or the building itself shall be surrounded with a masonry wall or embankment or both not less than two feet high. When the quantity of petroleum stored exceeds 16,000 gallons the height or depth shall be three feet.

A combination of these methods is permissible.

10. All ventilating openings in the storage shed shall be protected by strong wire gauze.

11. No light, except a light of such strength, position and character as is not liable to ignite any inflammable vapour, nor fire of any description, shall be permitted at any time within the storage shed.

12. All due precautions shall be taken for the prevention of unauthorized persons having access to any dangerous petroleum kept and to the vessels containing or having actually contained the same.

13. Every person managing or employed on or in connection with the storage shed shall abstain from any act whatever which tends to cause fire or explosion and which is not reasonably necessary, and shall prevent any other person from doing such act.

14. The drum or other receptacle containing dangerous petroleum shall only be opened on the licensed premises at or immediately adjoining the storage shed and for the time necessary for drawing off the petroleum and during such drawing off every reasonable precaution shall be adopted for preventing the escape of dangerous petroleum or the vapour therefrom.

15. The following distances shall be kept clear from protected works round the storage shed :—

Quantity to be stored.	*Distances to be kept clear.*
Not exceeding 500 gallons	20 feet.
From 500 to 1,000 „	25 „
„ 1,000 to 5,000 „	30 „
„ 5,000 to 15,000 „	40 „
„ 15,000 to 25,000 „	50 „
„ 25,000 to 35,000 „	60 „
„ 35,000 to 50,000 „	70 „
„ 50,000 and over „	100 „

Provided that these distances may be reduced by the Licensing authority on the recommendation of the Chief Inspector of Explosives in cases where screen walls are provided or other special precautions taken, or where there are special circumstances that in the opinion of the Chief Inspector of Explosives warrant the reduction.

16. Provided that when the quantity to be possessed does not exceed 60 gallons the provisions of conditions 8, 9 and 15 shall not apply, but the licensee shall observe the following conditions :—

(i) The storage shed in which the dangerous petroleum is stored shall be well ventilated and constructed of uninflammable material, provided, however, that the doors and windows may be of wood.

(ii) Where a storage shed forms part of, or is attached to, another building and when the intervening floor or partition is of an unsubstantial or inflammable character or has openings therein, the whole of such building shall be deemed to be the storage shed and no portion of such storage shed shall be used as a dwelling house or as a place where persons assemble. The storage shed shall have a separate entrance from the open air distinct from any building or dwelling in which persons assemble.

17. The storage shed shall be liable to inspection by an officer not being of lower rank than a Sub-Inspector of Police authorised by the Governor-in-Council in this behalf.

Note.—Round all licensed installations the following spaces must be kept clear in all directions, *viz* :—

Major installations (irrespective of the quantity stored) ...	150 feet.
Minor installations up to 5,000 gallons	15 feet.
„ „ 20,000 gallons	20 feet.
„ „ 50,000 gallons	30 feet.

ANANDA PRESS, MADRAS.